

## AMENDMENTS TO THE CLAIMS

1. (Currently amended) A computer implemented method for hosting a windows-based legacy user interface object originally intended for use in a windows-based legacy window manager in a windows-based new window manager, comprising:

providing a software bridge between said legacy window manager and said windows-based legacy user interface object that allows said legacy user interface object to operate in a computer that includes said new window manager and said legacy window manager;

intercepting a message at said software bridge intended for said windows-based legacy user interface object;

determining whether said message should be forwarded to said [[new]] legacy window manager; and

in response to determining that said message should be forwarded, forwarding said message to said windows-based legacy window manager.

2. (Currently amended) The method of Claim 1, further comprising:

in response to determining that said message should not be forwarded to said legacy window manager, forwarding said message to a procedure originally intended to handle said message.

3. (Original) The method of Claim 2, wherein forwarding said message comprises forwarding said message to a root user interface object hosted in a window tree maintained by said new window manager.

4. (Currently amended) The method of Claim 3, further comprising:

routing said message down said window tree maintained by said new window manager to an adapter control associated with said windows-based legacy user interface object.

5. (Currently amended) The method of Claim 4, further comprising:

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processing said message at said adapter control operative to convert said message into a format understood by said legacy window manager.

6. (Original) The method of Claim 5, further comprising:  
forwarding said message to said procedure originally intended to handle said message from said adapter control.

7. (Original) The method of Claim 6, further comprising:  
routing said message from said adapter control to a listener object attached to said adapter control.

8. (Original) The method of Claim 7, further comprising:  
determining whether said message has been completely handled; and  
in response to determining that said message has not been completely handled, routing said message from said adapter control up said window tree maintained by said new window manager so that parent objects of said adapter control may process said message.

9. (Currently amended) The method of Claim 8, further comprising:  
in response to determining that said message has been completely handled, returning control to a procedure associated with said ~~windows-based~~ legacy user interface object.

10. (Currently amended) A computer implemented method for hosting a ~~windows-based~~ legacy user interface object originally intended for use in a windows-based legacy window manager in a windows-based new window manager, comprising:

providing a software bridge between said legacy window manager and said ~~windows-based~~ legacy user interface object that allows said legacy user interface object to function in a computer that includes said new window manager and said legacy window manager;

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intercepting a message at said software bridge intended for said windows-based legacy user interface object;

determining whether said message should be forwarded to said new window manager; in response to determining that said message should be forwarded, forwarding said message to a root user interface object hosted in a window tree maintained by said new window manager;

routing said message from said root user interface object down said window tree to an adapter control associated with said windows-based legacy user interface object; and processing said message at said adapter control.

11. (Original) The method of Claim 10, further comprising:  
forwarding said message from said adapter control to a procedure originally intended to handle said message.

12. (Original) The method of Claim 11, further comprising:  
routing said message from said adapter control to a listener object attached to said adapter control.

13. (Original) The method of Claim 12, further comprising:  
determining whether said message has been completely handled; and  
in response to determining that said message has not been completely handled, routing said message from said adapter control up said window tree maintained by said new window manager so that parent objects of said adapter control in said window tree may process said message.

14. (Original) The method of Claim 13, further comprising:  
in response to determining that said message has been completely handled, returning control to a procedure associated with said legacy user interface object.

15-18. (Canceled)

19. (New) A computer-readable medium having computer executable instructions that when executed on a computing device carries out a computer implemented method for hosting a legacy user interface object intended for use in a legacy window manager in a windows-based new window manager, comprising:

- (a) providing a software bridge between said legacy window manager and said legacy user interface object that allows said legacy user interface object to operate in a computer that includes said new window manager and said legacy window manager;
- (b) intercepting a message at said software bridge intended for said legacy user interface object;
- (c) determining whether said message should be forwarded to said legacy window manager; and
- (d) in response to determining that said message should be forwarded, forwarding said message to said legacy window manager.

20. (New) The computer-readable medium of Claim 19, further comprising:

in response to determining that said message should not be forwarded to said legacy window manager, forwarding said message to a procedure originally intended to handle said message.

21. (New) The computer-readable medium of Claim 20, wherein forwarding said message comprises forwarding said message to a root user interface object hosted in a window tree maintained by said new window manager.

22. (New) The computer-readable medium of Claim 21, further comprising:

routing said message down said window tree maintained by said new window manager to an adapter control associated with said legacy user interface object.

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23. (New) The computer-readable medium of Claim 22, further comprising:  
processing said message at said adapter control operative to convert said message into a  
format understood by said legacy window manager.

24. (New) The computer-readable medium of Claim 23, further comprising:  
forwarding said message to said procedure originally intended to handle said message  
from said adapter control.

25. (New) The computer-readable medium of Claim 24, further comprising:  
routing said message from said adapter control to a listener object attached to said adapter  
control.

26. (New) The computer-readable medium of Claim 25, further comprising:  
determining whether said message has been completely handled; and  
in response to determining that said message has not been completely handled, routing  
said message from said adapter control up said window tree maintained by said new window  
manager so that parent objects of said adapter control may process said message.

27. (New) The computer-readable medium of Claim 26, further comprising:  
in response to determining that said message has been completely handled, returning  
control to a procedure associated with said legacy user interface object.

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